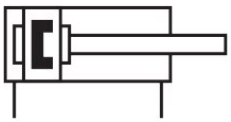
# Compact cylinder
# ADVU-125-20-P-A

Part number: 175752





## Data sheet

| Feature | Value |
|---|---|
| Stroke | 20 mm |
| Piston diameter | 125 mm |
| Piston rod thread | M16 |
| Cushioning | Elastic cushioning rings/plates at both ends |
| Mounting position | Any |
| Mode of operation | Double-acting |
| Piston-rod end | Female thread |
| Design | Piston<br>Piston rod |
| Position detection | Via proximity switch |
| Variants | Piston rod at one end |
| Operating pressure | 0.05 MPa...1 MPa<br>0.5 bar...10 bar<br>7.25 psi...145 psi |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Ambient temperature | -20 °C...80 °C |
| Impact energy in end positions | 3.3 J |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 6881 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 7363 N |
| Moving mass for 0 mm stroke | 1317 g |
| Additional moving mass per 10 mm stroke | 63 g |
| Basic weight for 0 mm stroke | 3426 g |
| Additional weight per 10 mm stroke | 168 g |
| Type of mounting | Either:<br>With through-hole<br>With accessories |
| Pneumatic connection | G1/4 |
| Material collar screws | Galvanised steel |
| Material cover | Painted die-cast aluminium |

| Feature | Value |
| --- | --- |
| Material dynamic seals | NBR<br>TPE-U(PU) |
| Material piston rod | High-alloy steel |
| Material cylinder barrel | Wrought aluminium alloy |